US009387069B2

(12) **United States Patent**
Kahook et al.

(10) **Patent No.: US 9,387,069 B2**
(45) **Date of Patent: Jul. 12, 2016**

(54) **MODULAR INTRAOCULAR LENS DESIGNS AND METHODS**

(71) Applicants: **The Regents of the University of Colorado, a body corporate**, Denver, CO (US); **ClarVista Medical, Inc.**, Aliso Viejo, CA (US)

(72) Inventors: **Malik Y. Kahook**, Denver, CO (US); **Naresh Mandava**, Denver, CO (US); **Paul McLean**, North Oaks, MN (US); **Robert E. Atkinson**, Lake Elmo, MN (US)

(73) Assignees: **ClarViata Medical, Inc.**, Aliso Viejo, CA (US); **The Regents of the University of Colorado, a body corporate**, Denver, CO (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/808,022**

(22) Filed: **Jul. 24, 2015**

(65) **Prior Publication Data**

US 2015/0342729 A1 Dec. 3, 2015

Related U.S. Application Data

(60) Continuation of application No. 13/937,761, filed on Jul. 9, 2013, now Pat. No. 9,125,736, which is a

(Continued)

(51) **Int. Cl.**
A61F 2/16 (2006.01)

(52) **U.S. Cl.**
CPC ***A61F 2/1613*** (2013.01); ***A61F 2/16*** (2013.01); ***A61F 2/1648*** (2013.01); *A61F 2002/169* (2015.04); *A61F 2002/1689* (2013.01); *A61F 2002/16902* (2015.04)

(58) **Field of Classification Search**
CPC A61F 2/1662; A61F 2/1667; A61F 2/167; A61F 2/1648; A61F 2/1664; A61F 2/1672; A61F 2/1675; A61F 2/1678; A61F 2/1613; A61F 2/1624; A61F 2/1637
See application file for complete search history.

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Primary Examiner — Howie Matthews
(74) *Attorney, Agent, or Firm* — Bookoff McAndrews, PLLC

(57) **ABSTRACT**

A modular IOL system including intraocular primary and secondary components, which, when combined, form an intraocular optical correction device, wherein the secondary component is placed on the primary component within the perimeter of the capsulorhexis, thus avoiding the need to touch or otherwise manipulate the capsular bag. The secondary component may be manipulated, removed, and/or exchanged for a different secondary component for correction or modification of the optical result, on an intra-operative or post-operative basis, without the need to remove the primary component and without the need to manipulate the capsular bag. The primary component may have haptics extending therefrom for centration in the capsular bag, and the secondary component may exclude haptics, relying instead on attachment to the primary lens for stability. Such attachment may reside radially inside the perimeter of the capsulorhexis and radially outside the field of view to avoid interference with light transmission.

28 Claims, 24 Drawing Sheets